

Availability At Daily Maximum Demand Hour

ST-Coal	1,290	MW
ST-Gas	80	MW
ST-Oil	80	MW
Gas	2,050	MW
Hydro	1,595	MW
Distillate	2,106	MW
Total TNB	7,201	MW
Total IPP	9,552	MW
Total Co-Gen	54	MW
System Total	16,807	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30		
TNB Generation	6,244	MW
IPP Generation	8,927	MW
Total Set On Bus	16,358	MW
Maximum Demand	15,448	MW
Spinning Reserve	1,133	MW
Net Energy	316,075	MWH
Load Factor	85.3	%

Maximum Demand Record

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 MWH

Hourly System MW Generation

	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
System Total	12410	11858	11646	11302	10759	10922	10960	10899	11446	13292	14187	14970	15006	14620	15211	15259	15083	14713	13701	13250	14159	13971	13574	13033

Gas Usage

Station	(mmscfd)
CBPS	60
GLGR	57
PAKA	148
PGPS	49
SRDG	39
TJGS	10
TNB Total	364
KLPP	4
PGLA	49
PKLG	21
PLPS	69
PTEK	0
SGB3	38
SGRI	70
SKSP	59
YPGS	34
YPKA	134
IPP Total	478
Total Gas	842
Total Gas Required :	1,434
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
CBPS	12
PDPS	35
PGGS	11
PGLA	39
PGPS	14
PKLG	110
PLPS	27
PTEK	40
SGB3	61
SGRI	64
SRDG	24
TJGS	156
Total	593

Generation Mix

Type	MWh	Percentage
ST-Coal	31,467.00	9.96 %
ST-Oil	1,285.00	0.41 %
Gas	42,675.00	13.50 %
Hydro	24,369.00	7.71 %
Distillate	26,165.00	8.28 %
Total TNB	125,961.0	39.85 %
ST-Coal	83,497.0	26.42 %
ST-Oil	10,753.0	3.40 %
Gas	61,954.0	19.60 %
Distillate	30,624.0	9.69 %
Total IPP	186,828.0	59.11 %
Co-Gen	1,429.0	0.45 %
Total Co-Gen	1,429.0	0.45 %
Total Generation	314,218.0	99.41 %
PLTG	-326.0	-0.10 %
HVDC	-1,531.0	-0.48 %
Interconnection	-1,857.0	-0.59 %
Net Energy	316,075.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	599
Hydro	115
Syncon	233
Thermal	48
Total	996

Weather Temperature

Weather	Temperature
Morning	Sunny 27
Afternoon	Hot 33

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400																										
PKLG	U003	274	274	273	273	271	272	273	271	271	270	272	273	273	272	272	272	272	273	271	272	272	271	273	273	273	273	273	273	271	273	271	273	271	273	274																
PKLG	U004	265	262	264	263	263	261	262	259	259	261	261	259	260	261	261	263	260	259	260	260	263	263	261	264	264	262	262	262	262	262	262	262	262	263	263	263															
PKLG	U006	462	462	461	461	461	465	462	462	463	463	461	464	464	463	463	463	462	462	465	462	464	461	463	463	462	462	460	463	470	464	469	462	462	465	458	461															
JM/JG	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0															
JM/JG	U002	681	681	681	681	681	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680															
JM/JG	U003	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586															
TBIN	U001	693	696	694	689	695	690	697	694	689	694	689	694	693	695	693	694	696	692	686	695	692	693	694	693	695	694	692	695	694	691	693	690	695	694	693	694															
TBIN	U003	697	692	699	696	697	694	695	697	695	697	697	697	697	696	696	696	695	700	696	693	695	694	696	695	693	694	697	694	696	699	695	694	698	696	696	701															
JMAH	U001	702	703	705	703	703	706	699	702	702	698	703	703	702	701	703	706	698	705	699	711	706	700	700	702	702	702	705	702	699	700	700	701	701	696	707	703	699														
JMAH	U002	400	400	401	401	408	401	401	404	398	400	401	398	398	403	403	403	403	403	403	434	401	400	400	405	403	403	406	406	402	402	402	402	402	402	402	402															
Total ST-Coal		4760	4756	4764	4753	4765	4756	4755	4755	4743	4748	4754	4755	4749	4752	4751	4762	4753	4758	4749	4789	4756	4742	4754	4756	4750	4756	4756	4761	4751	4751	4758	4752	4752	4762	4754	4753	4758	4751	4758	4899	4753	4756	4800	4891	4993	5110	5123				
PGPS	U002	63	63	61	62	63	62	64	64	64	64	64	64	64	64	64	65	65	65	65	65	65	63	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62			
PKLG	U001	285	285	286	286	286	286	286	286	286	286	286	286	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287				
PKLG	U002	229	229	223	229	233	233	233	233	245	250	250	250	250	181	142	142	142	140	140	140	138	136	136	140	140	141	141	140	140	140	140	140	140	141	141	141	141	141	140	140	140	140	140	140	140	141	141				
Total ST-Oil		577	577	570	577	582	581	583	583	595	600	600	600	600	531	492	494	494	492	492	493	491	489	489	493	493	492	491	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490		
CBPS	GT1A	28	0	0	0	0	0	0	0	0	0	0	0	0	0	33	75	99	98	99	99	99	99	98	98	98	88	88	97	96	95	92	91	92	100	98	88	88	88	88	88	88	88	88	88	88	88	88	88	88	74	
CBPS	GT1B	90	90	90	90	91	91	90	91	91	90	90	90	90	90	100	98	97	97	97	97	97	97	97	97	97	97	97	96	96	94	94	94	98	98	90	90	90	90	91	90	91	90	90	90	90	90	90	90	90		
CBPS	ST1C	42	44	43	43	42	42	41	41	41	42	42	42	42	41	105	105	104	104	104	105	105	105	105	105	105	95	102	101	101	98	98	99	106	105	93	92	92	91	92	91	92	91	91	91	91	91	91	91	91	91	
GLGR	GT01	82	83	84	81	82	83	82	82	80	65	68	65	66	73	83	83	102	104	104	104	104	103	102	103	102	95	88	101	102	101	100	101	102	103	103	101	102	103	101	99	101	100	102	100	102	100	73	72			
GLGR	GT02	82	82	82	82	83	82	82	82	82	65	67	66	66	75	84	84	103	107	107	107	107	106	106	106	105	98	91	105	105	105	104	104	104	106	104	105	105	104	105	104	105	102	101	102	101	99	73	71			
GLGR	ST1C	83	82	82	82	82	82	82	82	75	69	70	69	70	82	83	84	90	98	98	99	99	98	98	98	97	91	86	95	98	98	98	98	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97		
KLPP	GT12	14	14	15	16	16	16	16	16	16	16	16	16	16	15	15	14	14	14	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13			
PAKA	GT1A	85	86	86	85	85	85	86	86	86	62	62	62	61	65	86	86	86	84	84	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
PAKA	GT1B	85	85	86	84	85	85	85	85	84	60	61	61	60	60	59	66	85	85	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
PAKA	ST1C	83	83	83	83	83	83	83	83	72	69	69	69	69	69	69	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
PAKA	GT2A	77	77	77	77	79	77	77	77	77	59	60	61	61	60	65	74	78	77	77	78	76	76	76	76	76	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	
PAKA	GT2B	88	88	87	87	87	87	87	87	88	58	60	58	59	58	59	62	88	88	87	86	86	85	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
PAKA	ST2C	89	89	89	89	89	90	90	90	89	77	73	73	73	73	73	88	88	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
PAKA	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PAKA	GT4A	85	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	
PAKA	GT4B	85	84	84	85	85	85	85	85	85	85	85	85	85	85	85	84	84	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
PAKA	ST4C	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
PGLA	GT12	219	222	195	133	0	0	0	0	0	1	125	91	196	210	240	240	201	201	202	201	231	238	237	236	236	237	236	230	234	234	237	237	235	235	224	220	212	218	219	215	220	219	219	221	220	223	222	212	225		
PGLA	ST10	224	225	98	90	0	0	0	0	0	0	91	111	114	101	101	93	200	226	22																																

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																											
CBPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PGGS	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PGGS	GT6B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PGLA	GT11	223	222	194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PGLA	GT12	0	0	0	0	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PGLA	ST10	0	0	0	0	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SGB3	GT31	109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SGB3	GT33	132	127	127	128	128	128	129	129	125	125	123	123	127	127	127	127	127	127	127	126	126	126	126	126																											
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SGRI	GT12	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SGRI	GT13	120	121	121	122	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SGRI	GT23	126	124	124	125	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PLPS	GT11	143	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
TJGS	GT1A	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
TJGS	GT1B	130	130	130	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
TJGS	ST1C	164	72	72	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
TJGS	GT2A	226	227	227	227	228	227	227	228	227	228	227	228	227	226	226	226	225	225	223	225	224	224	224	224																											
TJGS	GT2B	222	222	222	222	222	223	224	224	224	225	224	224	223	223	223	223	223	223	224	221	224	224	224	224																											
TJGS	ST2C	246	247	246	246	246	247	246	245	244	245	245	244	245	246	247	246	247	246	246	246	216	211	213	213																											
Total Distillate		2018	1607	1463	1272	1241	824	826	827	825	821	824	821	819	818	822	824	824	1350	1554	1738	2051	2543	2841	3093	3232	3413	3494	3412	3358	3356	3500	3494	3428	3220	2991	2539	2386	2389	2388	2567	2511	2498	2438	2271	2090	2078	2078	1686			
PCUF	CUFG	17	17	17	17	17	19	17	18	17	17	16	17	18	17	18	17	18	17	18	17	17	18	17	17	18	17	17	16	16	17	17	16	16	17	17	11	13	14	15	11	9	11	12	11	11						
PCUF	CUFK	37	35	38	37	38	37	38	37	35	37	38	38	37	37	38	37	38	36	36	39	36	38	37	37	38	37	37	38	37	35	36	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	39				
Total Co-Gen		54	52	55	54	55	56	55	55	52	54	56	54	53	53	55	55	56	54	55	56	54	55	54	55	54	52	56	54	54	53	52	52	53	54	54	48	50	50	52	48	47	47	49	48	50						
Total Gen		12393	12043	11767	11684	11547	11233	11172	11012	10806	10788	10797	10843	10919	11124	10922	11012	11418	12344	13193	13853	14083	14576	14934	14962	14959	14753	14613	14599	14953	15225	15096	15055	14953	14813	14542	13975	13548	13321	13274	14108	14149	14059	13982	13862	13508	13412	13119	12601			
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TIE-HVDC		-29	-29	-28	-29	-29	-30	-30	-29	-30	-28	-28	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-30	-196	-196	-195	-195	-196	-195	-196	-195	-197	-196	-20	-20	-29	-28	-28	-28	-28	-28	-28	-28	-28	-28	-29	-29	-30				
TIE-PLTG		12	-94	-63	1	-70	-13	-100	-25	77	-6	-97	-5	-12	8	52	32	1	-71	-69	-39	-74	-27	-6	-110	-18	116	23	64	-62	-28	32	-1	65	88	24	139	43	9	53	-19	18	-20	39	20	-38	-36	115	-229			
Interconnection		-17	-123	-91	-28	-99	-43	-130	-54	47	-36	-125	-33	-41	-21	23	3	-28	-100	-99	-69	-104	-57	-36	-140	-47	87	-7	-132	-258	-223	-163	-197	-130	-108	-171	-58	-153	-20	24	-47	-10	-48	11	-8	-66	-65	86	-259			
System Total		12410	12166	11888	11712	11646	11276	11302	11066	10759	10824	10922	10876	10960	11145	10899	11009	11446	12444	13292	13922	14187	14633	14970	15102	15006	14666	14620	14731	15211	15448	15259	15252	15083	14921	14713	14033	13701	13341	13250	14155	14159	14107	13971	13870	13574	13477	13033	12860			
SRev ST-Coal		30	34	26	37	25	34	35	35	47	42	36	35	41	38	39	28	37	42	51	31	64	78	66	44	50	44	44	39	49	49	42	48	48	48	38	46	47	42	49	42	46	47	44	62	68	47	-70	37			
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev ST-Oil		25	25	26	25	24	25	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
SRev CCGT-Gas		600	466	782	760	589	614	612	617	866	912	953	855	862	708	693	871	828	301	420	377	382	252	248	273	494	277	397	447	274	273	322	280	283	276	278	311	381	642	603	256	226	216	208	211	277	204	334	595			

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																									
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																								
SRev Distillate		412	543	237	198	259	36	34	33	35	39	36	39	41	42	38	36	36	630	426	242	257	361	303	389	358	517	436	408	462	464	210	216	424	404	373	385	358	355	356	177	233	196	256	315	280	172	172	564	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		302	302	151	0	0	151	151	151	453	453	453	453	302	453	453	302	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydro		243	125	126	101	166	158	223	379	259	89	50	100	127	229	238	189	92	125	42	43	248	62	90	84	230	209	271	192	106	251	268	183	124	66	122	152	98	65	132	160	83	208	80	70	77	73	164	18	
S.Reserve Total		1617	1500	1353	1126	1068	1023	1083	1243	1688	1563	1556	1510	1552	1347	1489	1575	1291	1255	1087	913	1182	1028	1006	959	1299	1503	1647	1658	1307	1133	1242	1283	1356	1267	1278	1381	1514	1741	1782	950	1054	980	1053	1126	1361	1035	1147	1677	